IN THE CLAIMS

Please amend the claims as follows:

1. (original) A circuit (1) having a converter (2) for converting an a.c. voltage into a d.c. voltage, which converter has a diode half-bridge (8) having two diodes (21, 26) and a first center terminal (9), a switch half-bridge (10) having two switches (24, 29) and a second center terminal (11), a high-frequency inductor (18) and two connections (12, 15) in series with the high-frequency inductor (18), for connection to a source (7) of mains voltage between the two center terminals (9, 11), a first d.c. rail (20) being connected to the first center terminal (9) by means of a first diode (21) in the diode half-bridge (8) and an electrically conductive connection (22) and to the second center terminal (11) by means of a first switch (24) in the switch half-bridge (10) and an electrically conductive connection (27), and a second d.c. rail (25) being connected to the first center terminal (9) by means of a second diode (26) in the diode half-bridge (8) and an electrically conductive connection (28) and to the second center terminal (11) by means of a second switch (29) in the switch half-bridge (10) and an electrically conductive connection (27), characterized in that

the converter (2) has a second converter (3) for converting the a.c. voltage into a second d.c. voltage.

2. (original) A circuit as claimed in claim 1, characterized in that the mains voltage source (7), an input (52, 53) of the converter (3), and the high-frequency inductor (18) form a series circuit.

3. (currently amended) A circuit as claimed in claim 1 ~~and/or 2~~, characterized in that the transmission of energy in the converter (3) is frequency-dependent.

4. (currently amended) A circuit as claimed in ~~claims 1 to 3~~claim 1, characterized in that the converter (3) is arranged between the high-frequency inductor (18) and the mains voltage source (7).

5. (currently amended) A circuit as claimed in ~~claims 1 to 4~~claim 1, characterized in that the converter (2, 3) has a transformer (17).

6. (currently amended) A circuit as claimed in ~~any of the foregoing claims 1 to 5~~claim 1, characterized in that the converter (2, 3) has a resonant capacitor (19).

7. (currently amended) A circuit as claimed in ~~any of the foregoing claims 1 to 6~~claim 1, characterized in that the converter (2, 3) has an input capacitor (14).

8. (currently amended) A circuit as claimed in ~~any of the foregoing claims 1 to 7~~claim 1, characterized in that the converter (2, 3) has a control means (5).

9. (original) A circuit as claimed in claim 8, characterized in that the voltage at the input capacitor (14) is limited by the control means through a limitation of the duty factor of the switches (24) and (29).

10. (currently amended) A power supply system having a circuit (1) as claimed in ~~any of the foregoing claims 1 to 9~~claim 1.

11. (original) A video projection system having a power supply system as claimed in claim 10.

12. (original) An office electronics or consumer electronics device having a power supply system as claimed in claim 10.